

Watershed Evaluations

03040202-010

(Lynches River)

General Description

Watershed 03040202-010 (formerly 03040202-015) is located in Lancaster and Chesterfield Counties and consists primarily of the **Lynches River** and its tributaries from where it enters South Carolina to Hills Creek. The watershed occupies 15,970 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Tatum-Georgeville-Goldston-Badin series. The erodibility of the soil (K) averages 0.34; the slope of the terrain averages 16%, with a range of 2-45%. Land use/land cover in the watershed includes: 59.7% forested land, 28.8% agricultural land, 9.4% scrub/shrub land, 2.0% barren land, and 0.1% urban land.

The Lynches River originates in North Carolina, and accepts drainage also originating in North Carolina including Polecat Creek (Otter Creek, Silver Run), Buffalo Creek (Raccoon Branch Creek), and Dead Pine Creek. There are a few ponds (totaling 14.4 acres) and a total of 41.4 stream miles in this watershed, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
(PD-113) P	FW		LYNCHES RIVER AT SC 9 WEST OF PAGELAND

Lynches River (PD-113) - This station is physically located in 03040202-030, but reflects the influence of this watershed drainage. Aquatic life uses are fully supported; however, endrin was detected in the water column in 1996. Significant decreasing trends in five-day biochemical oxygen demand and total nitrogen concentration suggest improving conditions for these parameters. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

Growth Potential

There is a low potential for growth in this watershed.